MAKER SITE SURVEY

This appendix presents a blank maker site survey. Included are all questions that respondents were asked to answer, covering 10 sections: (1) Introduction and Consent, (2) Contact Information, (3) Documentation Practices, (4) Access to Tools and Resources for Documentation, (5) Feedback and Reflection Practices, (6) Maker Activities, (7) Site Description, (8) Making and Education, (9) Research and Evaluation, and (10) Final Questions and Comments.

1. INTRODUCTION AND CONSENT

INSTRUCTIONS

Thank you for agreeing, and taking the time, to participate in this survey. The data collected through this survey will help us better understand the landscape of maker culture and how documentation of projects in makerspaces takes place. Additionally, this survey will help us to further our research into the use of portfolio systems to support learning by helping us to select sites for further inquiry. It should take you 30–40 minutes to complete this survey.

After agreeing to the consent form, you may save your progress and return to the survey at any time via a link emailed to you from SurveyGizmo. There will be an orange bar with "Save and continue survey later" on each page that you may click on to enter your email address for a continuation link.

Your responses will remain strictly confidential. This research is being conducted by Dr. Kylie Peppler at Indiana University in collaboration with the Maker Education Initiative. Please direct any questions or report a research-related problem to Dr. Kylie Peppler at kpeppler@indiana.edu or (812) 856–8381.

The following text is for Informed Consent; the data you provide will be confidential and participation in this survey is fully voluntary. You will be asked to read the statement to this effect and confirm your understanding of that statement by checking a box.

Thank you again for your participation.

RESEARCH PROCEDURES

This survey is being conducted to better understand the landscape of maker culture and how documentation of projects in maker-related programs and makerspaces takes place. If you agree to participate, you will be asked to complete an online survey that will take 30–40 minutes.

RISKS AND BENEFITS

There are no foreseeable risks for participating in this research. There are no benefits to you as a participant other than to advance research in the use of portfolios to support learning.

CONFIDENTIALITY

The data in this study will be confidential. Identifying information will not be disclosed in any publications that result from this study. Only the research team will have access to the data collected during this study. Survey data will be stored on a password-protected external hard drive, which will be maintained in a locked office at Indiana University. We will keep the data for five years following the study, at which point all data will be erased from the hard drive.

PARTICIPATION

Your participation is voluntary, and you may withdraw from the study at any time and for any reason. If you decide not to participate or if you withdraw from the study, there is no penalty or loss of benefits to which you are otherwise entitled. There are no costs to you or any other party.

CONTACT

If you have any questions regarding your rights as a research subject or your participation in this research, please contact the Indiana University Human Subjects Office at (800) 696–2949 or (812) 856–4242.

This research has been reviewed according to Indiana University Human Subjects Office procedures governing your participation in this research.

By clicking the box below, you indicate that you have read and understood the above Informed Consent statement and you agree to participate in this survey.

( ) I have read and understand the above Informed Consent Statement and agree to participate in this survey.

2. CONTACT INFORMATION

1. Site name

2. Street address

3. City

4. State

5. Zip code

6. Site URL

7. Name of person filling out this survey

8. What is your role within the organization?

9. Email

10. Phone

11. If different from the person filling out this survey, who is the site administrator/lead administrator (name and title)?

12. Administrator's email

13. Administrator's phone

14. In order to network with other sites, would you like your site to be added to the Maker Education Initiative's public directory?
   • Yes
   • No

15. Would you like the primary contact person's name (site administrator or person filling out the survey) to also be included in the directory?
   • Yes
   • No

3. DOCUMENTATION PRACTICES

16. Does your site currently have a way of documenting maker activities and projects? This may involve one particular tool or platform, a particular practice (e.g., printing and storing work in a folder), or a combination of the above. It can also range from simple forms of documentation and practices (e.g., taking and posting a picture or screenshot of work for a flier or website) to more complex forms of documentation (e.g., posting a how-to on Instructables.com).
   • Yes
   • No

17. Please provide a brief description of how you document activities and projects at your site, who is engaging in documentation with which tools, and how documentation is being utilized.

18. How important are documentation practices at your site?
   • Not very important
   • Moderately important
   • Important
   • Very important

19. Do you currently have a way of collecting this portfolio documentation in a central location?
   • Yes
   • No

20. If yes, please describe.

21. If possible, please provide a link to this site or to a sample of work documentation, such as a blog or YouTube video/channel.

22. If documentation is done via other means not listed above, please briefly describe them.

4. ACCESS TO TOOLS AND RESOURCES FOR DOCUMENTATION

23. How sufficient are your resources for documentation?

	POOR	GOOD	VERY GOOD	XLNT
Our site's distributed Internet access is…				
Our available server or external storage space for electronic files is…				
Youths access to electronic storage space for large video, photo, or other project files is…				
The number of computers or portable electronics available for everyone to use is…				
The number of high quality video and photo devices to support documentation is…				
The number of staff we have to lead, develop, and support documentation is…				
Our site's access to software that supports making and documentation is…				
Our site's access to online communities that support making and documentation is…				
Our staff's knowledge about creative commons is…				
Our staff's knowledge about methods and tools to support documentation is…				
Our staff's regular and easy access to electronic storage space is…				
Our youth's regular and easy access to electronic storage space is…				

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24. Based on your observed barriers or potential conduits toward portfolio-documentation practices, what particular tools, resources, or technologies might your site's staff need to improve documentation and portfolio practices?

25. To what extent do youth use their own devices (whether phones, smartphones, tablets, computers, etc.) to document their work?
- Never
- Sometimes
- Frequently
- Always

5. FEEDBACK AND REFLECTION PRACTICES

26. Is feedback provided on youth work (either formally or informally through discussion or conversation)?
- Yes
- No

27. Do youth utilize this feedback in their work?
- Yes
- No

28. Are there any other ways that group reflection and feedback occur?
- Yes
- No

29. If yes, please describe.

6. MAKER ACTIVITIES

30. Please describe your site's core programming and flagship offerings, as well as any important but occasional offerings (such as programming or special events offered monthly, annually, or biannually).

31. What are the most commonly used tools and materials in your space or program?

32. Does your site or organization participate in any of the following? Please check all that apply.
- World Maker Faire
- Regional or Mini Maker Faire
- Any arts or crafts fair or festivals
- Any science or engineering fairs
- Open houses or family days/nights offered by your organization or community
- None of the above

7. SITE DESCRIPTION

33. Please briefly describe your site (150–200 words).

34. Type of organization or institution. Please check multiple if necessary.
- For profit
- Nonprofit
- Public school
- Charter school
- Independent school
- Community organization
- After-school program
- Home school
- Other

35. How long have maker programming (or related events and activities) at your site been operating?
- Less than 1 year
- 1–3 years
- 3–5 years
- More than 5 years

36. Which months are your site open? Please check all that apply.

- Year-round
- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December

37. Estimated daily number of participants in the program.

38. Estimated annual number of participants in the program.

39. Using the most recent full/regular week of your program as a reference, please provide your best estimates for the following:

Asian	0% _____ 100%
Black/ African American	0% _____ 100%
Hispanic/Latino	0% _____ 100%
Native American	0% _____ 100%
White	0% _____ 100%
Other	0% _____ 100%

40. What are the primary terms you use to identify and refer to your site?
- Makerspace
- Hackerspace
- Drop-in space
- Teen/youth center
- Fablab
- Design lab
- Idea lab
- Science lab
- STEM
- STEAM
- Other

41. Please share a photo(s) of your space (inside and/or outside), a high resolution logo, and/or any sample projects created by your participants. There is a 1MB file size limit per image.

8. MAKING AND EDUCATION

42. Do your making programs align with any of the following effort? Check all that apply.

	YES	NO	NOT FAMILIAR
Science, Technology, Engineering, and Mathematics (STEM)			
Art+STEM (STEAM)			
21st Century Community Learning Centers (21st CCLC)			
Career & Technical Education (CTE)			
Technology Education			
Information and Communications Technology (ICT)			
Media Education			
Digital Integration			
Common Core State Standards (CCSS) in Language Arts			
Common Core State Standards (CCSS) in Mathematics			
Next Generation Science Standards (NGSS)			
100kin10 (providing America's classrooms with 100,000 excellent STEM teachers by 2021)			

43. Please reflect on the most recent month of your program. How frequently did your youth actively:

	NVR	1–2X/ MO	1X/ WK	MULT. X/WK
Be open and responsive to new and diverse perspectives; incorporate group input and feedback into the work				
Engage in argument from evidence				
Articulate thoughts and ideas effectively using oral, written, and nonverbal communication skills in a variety of forms and contexts				
Plan and carry out investigations				
Utilize time and manage workload efficiently				
Assume shared responsibility for collaborative work and value the individual contributions made by each team member				
Analyze how parts of a whole interact with each other to produce overall outcomes in complex systems				
Define their own problems to investigate				
Go beyond basic mastery of skills to explore and expand one's own learning and opportunities to gain expertise				
Develop and use models				
Monitor, define, prioritize and complete tasks without direct oversight				
Develop, implement, and communicate new ideas to others effectively				
Analyze and interpret data related to their project				

Work effectively in a climate of ambiguity and changing priorities				
Solve different kinds of non-familiar problems in both conventional and innovative ways				
Design solutions to a specific problem or task				
Incorporate feedback effectively				
Elaborate, refine, analyze, and evaluate their own ideas in order to improve and maximize creative efforts				
View failure as an opportunity to learn; understand that creativity and innovation is a long-term, cyclical process of small successes and frequent mistakes				
Use mathematics and computational thinking				
Adapt to varied roles, jobs responsibilities, schedules, and contexts				
Deal positively with praise, setbacks, and criticism				

44. Career Readiness Through Education. If your site or programs were to be offered during the school day, in which of the following subject areas or disciplines would they most likely be offered? Check all that apply.

- Visual arts
- Music
- Drama
- Dance
- Digital or media
- Mathematics
- Language arts
- General science
- Biology
- Chemistry
- Physics
- Social studies/history
- General computer class
- Computer science
- Other

9. RESEARCH AND EVALUATION

45. Is research or evaluation work currently being conducted at your site, either internally or by another external agency?
- Yes
- No

46. Please describe.

47. Has your site ever conducted an evaluation or been involved in a research study?
- Yes
- No

48. If yes, please describe.

49. Would you be interested in having your site or organization participate in an upcoming research study?
- Yes
- No
- Maybe

10. FINAL QUESTIONS AND COMMENTS

50. Do you have anything else you would like to add related to the questions and topics covered in this survey, or do you have any questions you would like to direct to us?

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